CLASSIFICATION: UNCLASSIFIED

BUDGET ITEM JUSTIFICATION SHEET P-40				DATE: February 2004							
APPROPRIATION/BUDGET ACTIVITY Aircraft Procurement, Navy/APN-5 Aircraft Modifications				P-1 ITEM NOMENCLATURE EP-3 Series Modifications							
Program Element for Code B Items:				Other Related Program Elements							
	Prior Years	ID Code	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Complete	Total
QUANTITY											
COST (In Millions)	342.2		57.6	55.392*	28.3	55.6	62.4	29.1	30.2	10.4	671.2

This line item funds modifications to the EP-3E aircraft. The EP-3E is a land based, long range aircraft, with electronic intercept devices for detection and tracking of enemy RADARs and radios. The overall goal of the modifications budgeted in FY2005 is to improve operational capability and aircrew productivity by expanding the ESM frequency coverage, applying state-of-the-art signal exploitation/processing/display techniques, expanding direction finding (DF) frequency coverage, and expanding special signal processing capability. OSIP 29-00 funds the conversion of nine P-3 aircraft into EP-3E aircraft that will be utilized as replacements or pipelines to mitigate the aging fleet.

Research and Development is funded with National Security Agency (NSA) Defense Cryptologic Program (DCP) funds and ASDC4I Defense Airborne Reconnaissance Program (DARP). DCP R&D funds the integration of Non-Developmental Items (NDI) under the Navy's Airborne Sensor System Improvement line. The NSA line for Navy Airborne Sensor System improvement funds sensor improvements with application to the EP-3E. DCP R&D PE: 0305885G refers. DARP R&D funds are responsible for the development and acquisition of EP-3E sensors, data links, data relays, and ground stations to achieve and maintain interoperability with Defense-wide airborne reconnaissance assets. Active PAA inventory is 12 with a BAA inventory of 4 for a total of 16 aircraft at the end of OSIP 29-00. Funds budgeted in FY2005 are to continue Joint Sigint Avionics Family (JSAF) Modification Program (JMOD). The EP-3E has an average service life of 29.5 years and the first EP-3E will reach end of service in 2004.

OSIP No.	Description	Prior Years	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Complete	Total
14-95	EP-3 Sensor Improvement	142.8									142.8
29-00	P-3C to EP-3E Conversion Program	160.0									160.0
	DERF (non-add)	75.0									
11-01	JASA Modification (JMOD)	39.3	57.6	55.4	28.3	55.6	62.4	29.1	30.2	10.4	368.3
	DERF (non-add)	15.0									
TOTAL		342.2	57.6	55.4	28.3	55.6	62.4	29.1	30.2	10.4	671.2

FY-02 Defense Emergency Response Funds (DERF) in the amount of $75.0 augments OSIP 29-00 and $15.0 augments OSIP 11-01.
FY-03 Defense Emergency Response Funds (DERF) in the amount of $22.5 augments OSIP 11-01.
*FY-05 Due to poor execution $10 million of FY 02 funds were used to forward finance FY 05.

Note: Totals may not add due to rounding.

CLASSIFICATION:

DD Form 2454, JUN 86

UNCLASSIFIED

Exhibit P-3a INDIVIDUAL MODIFICATION

MODIFICATION TITLE: EP-3 Sensor System Improvement (OSIP 14-95)

MODELS OF SYSTEM AFFECTED: EP-3E TYPE MODIFICATION Operational Improvement / Modernization

DESCRIPTION/JUSTIFICATION:

This Sensor System Improvement Program (SSIP) responds directly to Operational Requirement (OR) #057-095-87 and CAF-002-88. The program procures, integrates, and installs new capabilities into the EP-3 Electronic Warfare Support Measures (ESM) weapon system to cope with the increasingly complex and dense threat environment. The required improvements in productivity will be achieved by applying state-of-the-art signal exploitation/processing/display technique, and expanding Program signal processing capability. Tactical communications connectivity improvements include TRE Related Applications (TRAP), Tactical Digital Information Exchange System-B (TADIXS-B), Tactical Digital Information Link-A and -J (TADIL-A and -J), Tactical Information Broadcast Services (TIBS), Tactical Reconnaissance Information Exchange System (TRIXS), USN/USAF Advisory Support Network (ASN) Intelnet , DAMA-capable radios, and an upgrade to the OE-320 antenna suite. Integration and testing in the EP-3 Integrated Test Facility (ITF) prior to installation in the first production aircraft ensured integrated system functional integrity. The SSIP provides the hardware and software essential for timely situational analysis and reporting to the fleet tactical commands. The Congressional plus-up for LESPA included NRE for qualifying LESPA parachutes in both EP-3E and Special Project Aircraft. Procurement of parachutes was limited to the EP-3E requirement in this OSIP. Another Congressional plus-up for enhanced signal exploitation/processing is achieved by Low Probability of Intercept/Specific Emitter Identification (LPI/SEI).

This OSIP addresses 12 aircraft. Nine of the eleven EP-3E aircraft service lives end during FY2004 through FY2008.

In accordance with the approved Acquisition Strategy Review (ASR) dated 3 May 2001, program changes necessitated the replacement of JMOD MOD1 with Baseline Update. Baseline Update incorporates Joint Airborne Signals Intelligence (SIGINT) Architecture (JASA) compliant infrastructure with SSIP and Quick Response Capability (QRC) functional improvements into the Trial Kit Installation (TKI) aircraft.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

Initial testing at the Integrated Test Facility (ITF) was completed in the 2nd quarter of FY95. Based on this testing and an early operational assessment by COMOPTEVFOR, PEO(A) approved the production procurement of the first two system installs of SSIP Phase I. Production approval was based on follow-on qualification testing at the ITF and a COMOPTEVFOR operational assessment completed in the 2nd quarter FY96. DT was completed end of 3rd quarter FY00. OT was completed early 4th quarter FY00. The JMOD Baseline Update is required in order to ensure the JMOD TKI aircraft has the same baseline configuration and capabilities as SSIP and QRC fleet assets. Fleet introduction occurred 4th quarter FY00. The initial phase of the LPI/SEI contract was awarded 2nd quarter FY02, and the final portion was awarded 4th quarter.

Exhibit P-3a

Exhibit P-3a INDIVIDUAL MODIFICATION

MODIFICATION TITLE: EP-3 Sensor System Improvement (OSIP 14-95)

MODELS OF SYSTEM AFFECTED: EP-3E TYPE MODIFICATION: Operational Improvement / Modernization

FINANCIAL PLAN (TOA, $ in Millions):

	Prior Years		FY 2003		FY 2004		FY 2005		FY 2006		FY 2007		FY 2008		FY 2009		To Complete		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
RDT&E																				
PROCUREMENT																				
Installation Kits																				
SSIP	12	5.4																	12	5.4
LESPA	12	1.1																	12	1.1
OE-320	12	.3																	12	.3
TADIL-J (Link-16)	12	1.2																	12	1.2
LPI/SEI	12	1.0																	12	1.0
Baseline Update	1	3.1																	1	3.1
Installation Kits N/R		10.3																		10.3
Installation Equipment																				
Storyteller	10	11.1																	10	11.1
Story Book	10	14.3																	10	14.3
Story Classic	10	11.7																	10	11.7
IP-1159 Replacement	10	5.0																	10	5.0
LESPA	12	1.0																	12	1.0
OE-320 Upgrade	12	1.8																	12	1.8
TADIL-J (Link-16)	12	4.0																	12	4.0
HBP Equipment		1.2																		1.2
LPI/SEI	12	8.7																	12	8.7
Baseline Update	1	6.7																	1	6.7
Installation Equipment N/R																				
Engineering Change Orders																				
Data		8.3																		8.3
Training Equipment		2.5																		2.5
Support Equipment		1.5																		1.5
ILS		7.8																		7.8
Testing		1.0																		1.0
Other Support		19.3																		19.3
Interim Contractor Support																				
Installation Cost	43	14.4																	43	14.4
TOTAL PROCUREMENT	150	142.8																	150	142.8

Notes:
1. Totals do not add due to rounding
2. Asterick indicates amount less than 51K

Exhibit P-3a

MODELS OF SYSTEMS AFFECTED: EP-3E

MODIFICATION TITLE: EP-3 Sensor System Improvement (OSIP 14-95)

INSTALLATION INFORMATION: LESPA/OE-320/TADIL-J(Link-16)/Baseline Update

METHOD OF IMPLEMENTATION: Commercial Contractor Depot Installation

ADMINISTRATIVE LEADTIME: 8 Months

PRODUCTION LEADTIME: 6 Months

CONTRACT DATES: FY 2003: ____ FY 2004: ____ FY 2005: ____

DELIVERY DATE: FY 2003: ____ FY 2004: ____ FY 2005: ____

($ in Millions)

Cost:	Prior Years		FY 2003		FY 2004		FY 2005		FY 2006		FY 2007		FY 2008		FY 2009		To Complete		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
FY 2002 & PY (37) kits	* 37	2.1																	37	2.1
FY 2003 () kits																				
FY 2004 () kits																				
FY 2005 () kits																				
FY 2006 () kits																				
FY 2007 () kits																				
FY 2008 () kits																				
FY 2009 () kits																				
To Complete () kits																				
TOTAL	* 37	2.1																	37	2.1

* Includes 12 LESPA; 6 OE-320 "O" Level installs; 1 Baseline Update; 6 OE-320s and twelve (12) TADIL-J (Link-16) installations.

Installation Schedule

	FY 2002	FY 2003				FY 2004				FY 2005				FY 2006				FY 2007			
	& PRIOR	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
In	37																				
Out	37																				

	FY 2008				FY 2009				To	
	1	2	3	4	1	2	3	4	Complete	TOTAL
In										37
Out										37

* JMOD Baseline Update Installation

Exhibit P-3a

MODELS OF SYSTEMS AFFECTED: EP-3E MODIFICATION TITLE: EP-3 Sensor System Improvement (OSIP 14-95)
LPI/SEI (SP-160) (Congressional Add Project)

INSTALLATION INFORMATION:

METHOD OF IMPLEMENTATION: Commercial Contractor Installation

ADMINISTRATIVE LEADTIME: 8 Months PRODUCTION LEADTIME: 24 Months

CONTRACT DATES: FY 2003: ____ FY 2004: ____ FY 2005: ____

DELIVERY DATE: FY 2003: ____ FY 2004: ____ FY 2005: ____

($ in Millions)

Cost:	Prior Years		FY 2003		FY 2004		FY 2005		FY 2006		FY 2007		FY 2008		FY 2009		To Complete		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
FY 2002 & PY (12) kits	12	1.2																	12	1.2
FY 2003 () kits																				
FY 2004 () kits																				
FY 2005 () kits																				
FY 2006 () kits																				
FY 2007 () kits																				
FY 2008 () kits																				
FY 2009 () kits																				
To Complete () kits																				
TOTAL	12	1.2																	12	1.2

Installation Schedule

	FY 2002	FY 2003				FY 2004				FY 2005				FY 2006				FY 2007			
	& PRIOR	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
In	12																				
Out													2								

	FY 2008				FY 2009				To	
	1	2	3	4	1	2	3	4	Complete	TOTAL
In										
Out										

Exhibit P-3a

MODELS OF SYSTEMS AFFECTED: EP-3E

MODIFICATION TITLE: EP-3 Sensor System Improvement (OSIP 14-95) SSIP

INSTALLATION INFORMATION:

METHOD OF IMPLEMENTATION: Commercial Contractor Installation

ADMINISTRATIVE LEADTIME: Months

PRODUCTION LEADTIME: Months

CONTRACT DATES: FY 2003: FY 2004: FY 2005:

DELIVERY DATE: FY 2003: FY 2004: FY 2005:

($ in Millions)

Cost:	Prior Years		FY 2003		FY 2004		FY 2005		FY 2006		FY 2007		FY 2008		FY 2009		To Complete		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
FY 2002 & PY (12) kits	12	11.0																	12	11.0
FY 2003 () kits																				
FY 2004 () kits																				
FY 2005 () kits																				
FY 2006 () kits																				
FY 2007 () kits																				
FY 2008 () kits																				
FY 2009 () kits																				
To Complete () kits																				
TOTAL	12	11.0																	12	11.0

Installation Schedule

	FY 2002	FY 2003				FY 2004				FY 2005				FY 2006				FY 2007			
	& PRIOR	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
In	11																				
Out	9	1	1																		

	FY 2008				FY 2009				To	
	1	2	3	4	1	2	3	4	Complete	TOTAL
In										11
Out										11

NOTE: Eleven (11) installations reflect reduction due to Crete mishap.

Exhibit P-3a | INDIVIDUAL MODIFICATION

MODIFICATION TITLE P-3C to EP-3E Conversion Program (OSIP 29-00)

MODELS OF SYSTEM AFFECTED: EP-3E | TYPE MODIFICATION: Operational Improvement / Modernization

DESCRIPTION/JUSTIFICATION:

The P-3C to EP-3E Conversion Program, designated as a No ACAT program, converts five P-3C aircraft to EP-3E aircraft. This OSIP responds to primary and backup EP-3E inventory requirements in VQ-1/2 Required Operational Capabilities Projected Operational Environment (ROC/POE) dated 9 Feb 2000, OPNAVINST 5442.8, and CNO letter Ser N880G10/0U661331 dated 30 May 00. Primary Aircraft Authorization (PAA) of 12 aircraft are required to perform operational missions. Backup Aircraft Authorization (BAA) of four aircraft (i.e., pipeline) are required to permit scheduled and unscheduled maintenance, modifications, inspections and repair without reduction of aircraft available for operational missions. The OSIP also addresses mission avionics requirements in Operational Requirement (OR) #057-095-87 and the CAPSTONE ORD (CAF-002-88). The first conversion replaces an EP-3E damaged in a 1997 mishap and struck from the PAA inventory. The second, third, fourth and fifth conversions are pipeline aircraft.

This program was developed to maximize procurement efficiency by grouping the aircraft versus individual buys. Funding in FY00 covered NRE for the initial three aircraft. Funding in FY01 procures two aircraft while FY02 funding procures three aircraft and ARIES II/SSIP Obsolescence Risk Mitigation NRE. Four aircraft will be procured under the same contract in a configuration sufficient for induction into the JMOD program (OSIP 11-01), and the fifth aircraft will be configured as a JMOD aircraft. FY01 Intelligence Program Decision Memorandum (IPDM) moved funding for the second pipeline aircraft from FY03 to FY02.

This OSIP includes $60.0M in Defense Emergency Response Funding (DERF) for an additional conversion aircraft and $15.0M for PR-32 avionics replacements/repairs. PR-32 avionics will be installed during the SSIP modification.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

This program is a post-Milestone III, based on SSIP Milestone III dated 29 March 1996. The NRE contract was awarded in Feb 2001. The production contract for the replacement and first pipeline aircraft was awarded in September 01. The FY02 option for the second through fourth pipeline aircraft was exercised in the 2nd quarter FY02.

Exhibit P-3a INDIVIDUAL MODIFICATION

MODIFICATION TITL P-3C to EP-3E Conversion Program (OSIP 29-00)

MODELS OF SYSTEM AFFECTED: EP-3E TYPE MODIFICATION: Operational Improvement / Modernization

FINANCIAL PLAN (TOA, $ in Millions):

	Prior Years		FY 2003		FY 2004		FY 2005		FY 2006		FY 2007		FY 2008		FY 2009		To Complete		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
RDT&E																				
PROCUREMENT																				
Installation Kits																				
REPLACEMENT AIRCRAFT	1	11.0																	1	11.0
PIPELINE AIRCRAFT	3	35.7																	3	35.7
DERF AIRCRAFT	1	16.4																	1	16.4
CROSSDECK AIRCRAFT																				
Installation Kits N/R		15.8																		15.8
Installation Equipment																				
REPLACEMENT AIRCRAFT		**																		**
PIPELINE AIRCRAFT	3	34.3																	3	34.3
DERF AIRCRAFT	1	20.6																	1	20.6
DERF PR-32 AVIONICS	1	14.4																	1	14.4
CROSSDECK AIRCRAFT																				
Installation Equipment N/R		5.8																		5.8
Engineering Change Orders																				
Data		1.1																		1.1
Training Equipment																				
Support Equipment		.5																		.5
Testing		2.6																		2.6
ILS		2.0																		2.0
Other Support		4.0																		4.0
Interim Contractor Support																				
Installation Cost	5	71.1																	5	71.1
TOTAL PROCUREMENT	10	235.0																	10	235.0

Notes:

1. Totals do not add due to rounding
2. Asterisk indicates amount less than 51K

** Replacement aircraft B Kit to be crossdecked from crash-damaged aircraft

NOTE: One (1) replacement and four (4) pipeline aircraft will be procured in a JMOD configuration.

Exhibit P-3a

MODELS OF SYSTEMS AFFECTED: EP-3E

MODIFICATION TITLE: P-3C to EP-3E Conversion Program
Replacement/Pipeline/DERF Aircraft

INSTALLATION INFORMATION:

METHOD OF IMPLEMENTATION: Commercial Contractor Installation

ADMINISTRATIVE LEADTIME: 8 Months

PRODUCTION LEADTIME: Various Months

CROSSDECK AIRCRAFT: Various Months

CONTRACT DATES: FY 2003: FY 2004: FY200

DELIVERY DATE: FY 2003: FY 2004: FY200

($ in Millions)

Cost:	Prior years		FY 2003		FY 2004		FY 2005		FY 2006		FY 2007		FY 2008		FY 2009		To Complete		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
FY 2002 & PY (5) kits	5	71.1																	5	71.1
FY 2003 () kits																				
FY 2004 () kits																				
FY 2005 () kits																				
FY 2006 () kits																				
FY 2007 () kits																				
FY 2008 () kits																				
FY 2009 () kits																				
To Complete () kits																				
TOTAL	5	71.1																	5	71.1

Installation Schedule

	FY 2002	FY 2003				FY 2004				FY 2005				FY 2006				FY 2007			
	& Prior	1	2	3	4	1	2	3	4*	1**	2	3***	4****	1	2	3	4	1	2	3	4
In	5																				
Out										1		2	1								

	FY 2008				FY 2009				To	TOTAL
	1	2	3	4	1	2	3	4	Complete	
In										
Out										

* Replacement aircraft (1)

** Pipeline #1 aircraft (1)

*** Pipeline #2 aircraft (1)

**** Pipeline #3/DERF aircraft (2)

Exhibit P-3a INDIVIDUAL MODIFICATION

MODIFICATION TITLE: EP-3E Joint Airborne SIGINT Architecture (JASA) Modification Program (JMOD) (OSIP 11-01)

MODELS OF SYSTEM AFFECTED: EP-3E TYPE MODIFICATION: Operational Improvement / Modernization

DESCRIPTION/JUSTIFICATION:

The EP-3E JASA Modification (JMOD) Program upgrades the capabilities of the Sensor System Improvement Program (SSIP) configuration of the EP-3E. This OSIP responds to Operational Requirement Document (ORD) #571-78-01 and the CAPSTONE ORD (CAF-002-88). JMOD is an evolutionary acquisition program consisting of three block mods. MOD 1 of this program updates the EP-3E infrastructure, improves auto-ESM with the Story Finder system, incorporates Joint Signal Processor (JSP), incorporates SSIP corrections, and incorporates Quick Response Capabilities (QRC) (including the SINCGAR upgrade and IR Strobes modifications) into JMOD. MOD 2 will incorporate a low band capability which improves special collection capability and adds the Common Data Link (CDL) allowing the EP-3E to serve as a network-centric airborne SIGINT collection element capable of sharing data with ground, air, and ship-based operators. MOD 3 incorporates precision targeting. Nine of the 16 EP-3E aircraft (BAA) will be managed through Special Structural Inspections (SSI-Ks) beyond JMOD Full Operational Capability (FOC).

The Baseline Update to MOD 1 is required in order to ensure the JMOD TKI aircraft has the same baseline configuration and capabilities as SSIP and QRC fleet assets.

This OSIP includes FY02 Congressional Plus-ups for Hyperwide/Deltawing and VME Tuners; and FY03 Congressional Plus-ups for Radio Frequency Distribution (RFD) Upgrades, JMOD 1 Upgrades and SIGINT Tuner. This OSIP includes $15.0M in FY02 Defense Emergency Response Fund (DERF) funding for SIGINT.

Beginning in FY03 and continuing in FY05 through FY07, the EP-3E platform will receive COMINT/ELINT upgrades. The FY05-FY07 COMINT/ELINT upgrades will be incorporated into the JMOD Common Baseline.

FY04 funding includes four Congressional Plus Ups: JMOD Upgrades ($10.8M), RFD Upgrades ($2.4M), VME Tuners ($7.7M) and Tactical Communications Systems Upgrades ($3.4M).

Starting in FY05, the JMOD Baseline is a restructure to the original JMOD program that brings all EP-3E platforms into a single configuration on an accelerated timetable. JMOD Baseline incorporates 60% of JMOD 1 components into the existing EP-3E backbone and accelerates elements of JMOD 2 and 3 via spirals. JMOD Baseline also includes various Quick Reaction Capabilities and OEF/OIF installs and addresses mission avionics obsolescence. This OSIP was restructured to fund the acceleration of JMOD 2 and JMOD 3 capabilities by three years by incorporating their capabilities into the ForceNet and Precision Targeting spirals. FY04 funding procures existing backbone to bring the five conversion aircraft to the configuration necessary to receive JMOD Baseline. This OSIP addresses a PAA of 12 EP-3E aircraft.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

RDT&E funded development commenced in FY97 with non-recurring engineering for development and integration of a MOD 1 prototype kit installed into an SSIP configured EP-3E aircraft in the beginning of the 1st quarter FY01. The JMOD MOD 1 LRIP decision was based on the JMOD CDR (2nd quarter FY00) and the Baseline Update CDR (3rd quarter FY02). MOD 1 DT/OT has evolved into an FOT&E on upgrades to existing architecture and a DT assist on Story Finder capabilities.

Follow on Test and Evaluation is scheduled for 2nd Qtr FY 04 for the existing architecture with obsolescence replacement. In conjunction with this testing, a DT assist will be conducted on Story Finder. These events will provide the basis for a Milestone III decision scheduled for 3rd Qtr FY 04. Spiral 1 is scheduled for test/evaluation in 2nd Qtr FY 05. Spiral 2 test/evaluation is scheduled for a 1st Qtr FY 06. Program reviews will provide authority to procure hardware after each successful OT.

Exhibit P-3a INDIVIDUAL MODIFICATION

MODIFICATION TITLE: EP-3E Joint Airborne SIGINT Architecture (JASA) Modification Program (JMOD) (OSIP 11-01)

MODELS OF SYSTEM AFFECTED: EP-3E TYPE MODIFICATION: Operational Improvement / Modernization

FINANCIAL PLAN (TOA, $ in Millions):

	Prior Years		FY 2003		FY 2004		FY 2005		FY 2006		FY 2007		FY 2008		FY 2009		To Complete		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
RDT&E (H2694)		18.3		2.5		13.3		10.3												
PROCUREMENT																				
Installation Kits																				
BLOCK MOD 1			3	4.0																
VME Tuners	1	.3	1	.8																
IR STROBES MOD	10	.2																		
SINCGARS Upgrade	16	1.2																		
COMINT/ELINT Upgrades				1.9																
RFD Upgrades			4	.4																
JMOD Baseline					5	4.5	4	4.0												
Installation Kits N/R		1.6		3.6		2.9		1.0												
Installation Equipment																				
BLOCK MOD 1			3	11.1																
VME Tuners	1	.5	1	1.9	4	7.7														
IR STROBES MOD	10	.1																		
SINCGARS Upgrade	16	.6																		
DERF SIGINT		14.2																		
COMINT/ELINT Upgrades				7.2																
RFD Upgrades			4	2.0	5	2.4														
JMOD Upgrades					5	10.8														
Tactical Comms System Upg					16	3.4														
JMOD Baseline					5	3.5	4	12.0												
QRC																				
Installation Equipment N/R		15.8		6.4		4.2		1.0												
Engineering Change Orders																				
Data		5.9		1.4		2.4		1.4												
Training Equipment		2.3		2.4		3.4		1.4												
Support Equipment		2.1		.8		.2		.3												
Testing		2.5		4.7		2.0		2.0												
ILS		2.6		3.2		1.9		1.4												
Other Support		3.8		4.0		4.0		2.1												
Interim Contractor Support																				
Installation Cost	16	.7	16	1.9	5	2.2	2	1.6												
TOTAL PROCUREMENT	54	54.3	16	57.6	40	55.4	8	28.3												

Notes:

1. Totals do not add due to rounding
2. Asterisk indicates amount less than 51K
3. Two JMOD 1 kits are funded under the Conversion OSIP (29-00) and one JMOD 1 kit was funded as an R&D TKI.

Exhibit P-3a

MODELS OF SYSTEMS AFFECTED: EP-3E

MODIFICATION TITLE: EP-3E Joint Airborne SIGINT Architecture (JASA) Modification Program (JMOD) (OSIP 11-01)
JMOD Installations/JMOD Baseline

INSTALLATION INFORMATION:

METHOD OF IMPLEMENTATION: Commercial Contractor Installation/O-level

ADMINISTRATIVE LEADTIME: 6/12 Months

JMOD PRODUCTION LEADTIME: 6/12 Months

CONTRACT DATES: FY 2003: ____ FY 2004: 2/04 FY 2005: 1/05

DELIVERY DATE: FY 2003: ____ FY 2004: 8/04 FY 2005: 7/05

($ in Millions)

Cost:	Prior years		FY 2003		FY 2004		FY 2005		FY 2006		FY 2007		FY 2008		FY 2009		To Complete		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
FY 2002 & PY (1) kits	1	.1																		
FY 2003 (3) kits *																				
FY 2004 (5) kits **					5	2.2														
FY 2005 (4) kits							2	1.6												
FY 2006 (10) kits																				
FY 2007 (9) kits																				
FY 2008 () kits																				
FY 2009 () kits																				
To Complete (1) kits																				
TOTAL	1	.1			5	2.2	2	1.6												

* JMOD kits installed into Conversion aircraft (OSIP 29-00).

** Installation efforts for FY04 Congressional Plus Ups will be concurrent with the JMOD Baseline installations or Special Structural Inspections (SSIs).

Installation Schedule

	FY 2002 & Prior	FY 2003				FY 2004				FY 2005				FY 2006				FY 2007			
		1	2	3	4	1	2	3	4	1	2	3	4*	1	2	3*	4	1	2**	3	4
In					1				5				2								
Out					1				5				2								

	FY 2008				FY 2009				To Complete	TOTAL
	1**	2	3	4	1	2	3	4		
In										
Out										

* JMOD Baseline Spiral 1
** JMOD Baseline Spiral 2

Exhibit P-3a

MODELS OF SYSTEMS AFFECTED: EP-3E

MODIFICATION TITLE: EP-3E Joint Airborne SIGINT Architecture (JASA) Modification Program (JMOD) (OSIP 11-01)
IR Strobes Mod / SINCGARS Upgrade / COMINT/ELINT/RFD Upgrades/SIGINT Tuner

INSTALLATION INFORMATION:

METHOD OF IMPLEMENTATION: Commercial Contractor Installation

ADMINISTRATIVE LEADTIME: 1 Months

PRODUCTION LEADTIME: 3/12 Months

CONTRACT DATES: FY 2003: 3/03 FY 2004: FY 2005:

DELIVERY DATE: FY 2003: 3/04 FY 2004: FY 2005:

($ in Millions)

Cost:	Prior Years		FY 2003		FY 2004		FY 2005		FY 2006		FY 2007		FY 2008		FY 2009		To Complete		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
FY 2002 & PY (26) kits	15	.4	11	.4															26	.8
FY 2003 (5) kits *			5	1.5															5	1.5
FY 2004 () kits																				
FY 2005 () kits																				
FY 2006 () kits																				
FY 2007 () kits																				
FY 2008 () kits																				
FY 2009 () kits																				
To Complete () kits																				
TOTAL	15	.4	16	1.9															31	2.3

* Quantities vary in FY03 for COMINT/ELINT. Congressional Plus up for 4 RFD Upgrades and 1 Tuner are funded in FY03.

Installation Schedule

	FY 2002	FY 2003				FY 2004				FY 2005				FY 2006				FY 2007			
	& Prior	1	2	3 *	4 **	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
In	15	5	6	4	1																
Out	15				11			4	1												

	FY 2008				FY 2009				To	
	1	2	3	4	1	2	3	4	Complete	TOTAL
In										31
Out										31

* RFD Upgrades will be installed into 4 Conversion aircrafts.

** SIGINT Tuner will be installed into a Conversion aircraft.